

KIRILOVICH, V.I.; KUBTSOVA, I.K.; POKROVSKIY, L.I.; KHINICH, E.V.;
FEDOROV, A.A.

Synthesis of phosphorus-containing polyesters and their use for
the preparation of fireproof polyurathane foams. Plast. massy
no.2:10-11 '66. (MIRA 19:2)

PIKUS, M.Yu.; KHINKO, S.V.; GOROSHKO, V.F.

Investigating the nature of feed-value variations, pressure
and power consumption of the 8641 cutting machine. Sbor.trud.Inst.
mash.i avtom: AN BSR no.1:95-108 '61 (MIRA 16:5)
(Cutting machines—Testing)

KHINKOV, Iv.

Health-educational activities of pharmacy workers. Farmatsia,
Sofia 5 no.2:11-13 Mar-Apr 55.

1. Ref. -rukovoditel pri AU.
(PHARMACY,
in Bulgaria, health-educ. activities of pharmacy workers)
(HEALTH, education,
in Bulgaria, activities of pharmacy workers)

KHINKOV, IV.

1. "Forty Years Since the Initial Communist Congress of Bulgarian Medical and Sanitation Workers" V. OKHROV, pp 3-7.
 2. "Pharmaceutical Forms of Tetracycline Hydrochloride" O. SHENKOVA and N. YARIMOVA, (Pharmacy Research Institute) /Director L. ZHELEZKOV/; pp 9-13 (English summary).
 3. "Pharmacodynamics and Toxicology of Allus uncinus" A. ANGELOV, (Department of Pharmacology and Toxicology) /Chairman Prof V. PINKOV and Department of Toxicology V. V. /Chairman: Senior Research Associate A. PINKOV/; pp 15-21.
 4. "Quantitative Determination of Rutin in Escoppyrum esculentum" T. P. LITVAKOV and A. E. SHENKOVA, (Chair of Medicinal Form Technology and Galenics) /Chair: Faculty of Pharmacy, Moscow Medical Institute/; pp 21-25.
 5. "Antibacterial, Antiviral, Antitoxic and Cytopathogenic Properties of Protease and Anomolus" As. TOSKOV, V. IVANOV, V. SHENKOVA, T. OKHROV, St. KUCHEVA and V. KUCHEVA (Endocrinology and Microbiology Research Institute); pp 27-33 (English summary).
 6. "Method for Quantitative Analysis of Procaine Hydrochloride in Human Apolis" Mr. KUCHEV (Research Institute for State Control over Medicinal Preparations) /Director Prof St. SHENKOVA/; pp 33-39.
 7. "Use of Ion Exchange to Determine Acidity of Gastric Fluid" L. DAVANOV, K. KUCHEVA and Z. KUCHEVA; pp 39-43 (English summary).
 8. "The Hospital Pharmacy" IV. KHINKOV, (Senior Pharmacist, Pharmacy Inspection Office, Ministry of National Health and Sanitation Care); pp 44-48.
- * Literature not identified.
1. Research Institute for Medical Research.
 2. Institute for Microbiology and Immunology.
 3. Research Institute for Microbiology.
 4. Research Institute for Microbiology.
 5. Research Institute for Microbiology.
 6. Research Institute for Microbiology.

KHINOV, Kh., kand. na tekhn. nauki

Some diagram solutions for speed regulation in asynchronous
motors. Mashinostroena 12 no.7:31-35 JI '63.

1. Mashinno-elektrotekhicheski institut.

KHINKOV, P.

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Vol. 5, No. 3, 1956.

RADIO
TECHNOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 2, Feb. 1957

KHINKOV, P.

Rapid measurement of large capacities. p. 31.

RADIO. Vol. 5, no. 5, 1956

Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of
Congress, Vol. 6, No. 2, January 1957

KHINKOV, P.

KHINKOV, P. Universal vacuum-tube voltmeter. p. 47.

Vol. 5, No. 9, 1956.

RADIO

TECHNOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 3, March 1957

KHINKOV, P.

The two-conductor and coaxial lines as resonant circles in the ultrashort waves. p. 32.

(RADIO I TELEVIZIIA, Vol. 6, no. 4, 1957, Sofia, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December, 1957 Uncl.

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Helping the readers. Radio i televiziia 11 no.4:124-125 '62.

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The Heathkit QM1 Q-meter. Radio i televiziiia 11 no.12:
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Peculiarities in the course of typhoid fever in immunized patients.
Suvrem. med., Sofia 9 no.6:11-21 1958.

1. Iz Obshchoarmeiskate bolitsa v Sofia (Nachalnik: M. Kutov)
(TYPHOID FEVER, manifest.
atypical responses in immunized patients (Bul))

KHINKOV, St.

Jubilee year of 1962 for Czechoslovak mathematicians. Fiz mat spisanié BAN 6 no.1:67 '63.

1. Urednik i chlen na Redaksiionnata kolegiia, "Fiziko-matematicheskogo spisanié".

KHINKOV, St.

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spisanie BAN 6 no. 3:218-219 '63.

Visit of Academician M. A. Lavrentiyev to Sofia. Ibid.:215.

Mathematical seminars in Oberwolfach in 1962. Ibid.:219-220.

1. Editor and Member of the Board of Editors, "Fiziko-matemmaticheskoe spisanie".

KHINKOV, St.

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KHINKOV, Stefan

The Ninth and Tenth Pugwash Conferences of the Scholars,
held respectively at Cambridge and London. Fiz mat spisanie
BAN 5 no.4:307-309 '62.

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techeskoe spisanie."

KHINKOV, St.

All-Union mathematical conferences, Fiz mat spisanie BAN 7 no.2:152-153
'64.

1. Editor, "Fiziko-matematicheskoe spisanie".

KHINKOV, Ts.

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(Bulgarska Akademia Na Naukite) Sofiya Vol 2 No 5 Sept/Oct 1953

SO: East European Accessions List Vol 2 No 8 Aug 1954

HINKOVA, Ts. [~~Khinkova, T.~~]

New data on *Uromyces ferulaginis* Lindroth. Doklady BAN 14
no. 4: 389-391, '61.

1, Submitted by Academician N. Stoianov [N. Stoianov].

KHIMKOVA, TS.

"Ecology and economic significance of mushrooms in the Vitosha Mountains" (p.3) PRIRODA
(Bulgarska Akademia Accessions List Vol 2 No 6 Nov/Dec 1953)

SO: East European Accessions List Vol 2 No 8 Aug 1954

KHINKOVA, Tsv.

Some materials on the fungus flora of Bulgaria. Izv Inst bot
BAN no.8:251-259 '61.

1. Chlen na Redaktsionnata kolegiia, "Izvestiia na
Botanicheskiia institut."

KHINKOVA, Tsv.

Mycologic notes. Pt. 1. Izv Inst bot BAN 11 189-196 '63.

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KHINKOVA, Tsvetana

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'62 [publ. '63].

KHINKOVA, TSVETANA

Parazitni gubi po rastitelnostta v Istochna Rila. Sofia, Bulgarska akademija na naukite, 1959. 116 p. (Bulgaria)

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

KHINKOVA, Tsv.

New species of rust fungi from south Bulgaria. Izv biol med. BAN
3 no.3:135-139 '59. (EEAI 10:4)

1. Botanicheski institut pri BAN
(UREDINALES)
(BULGARIA-FUNGI)

KHINKOVA, Tsv.

Distribution of higher fungi in some forests of Ludogorie.
Izv Inst bot BAN no. 9:91-99 '62.

1. Chlen na Redaktsionnata kolegiia, "Izvestiia na Botanicheskiia institut".

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Some new and rare species of rust and smut in the flora of Bulgaria. Izv. inst. bot. BAN 10:177-184 '62.

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KHINKOVA, Ts.

12. the Relation between the Specific Heat and the Nature Content of Food Products. L. O. FLOIN (In French with Russian summary) pp 373-375.
13. Notes on Structural and Petrographic Characteristics of Sarmatian Flinton and its Metamorphic Products. F. D. DUBOVY and N. YANOV (In English with Russian summary) pp 377-380.
14. Method of Investigating Root Pressure in Species of "Geoph." I. S. RAGOLIN (In Russian with German summary) pp 381-385.
15. Opticochemical Studies of Protein Acids (DNA and RNA) in Carcinomas Auraria Ovisella (Bladder) Ovary and O. V. Kuznetsov, V. A. Kuznetsov and E. E. BELYAKOVA (In English with Russian summary) pp 385-388.
16. New Data on Enzymes Penicillium Luteovirens. N. D. BUKHARA (In English with Russian summary) pp 389-391.
17. Studies on the Principles of Combustion of Various Nature of Spores Anthracosis. N. B. KILBAY, S. B. KILBAY, V. N. VORONIN and V. DUBOV (In English with Russian summary) pp 393-396.
18. Chemical Analysis of M. D. D. - A New Species of the Family Penicillidae from the Island of Crete (Athens, Greece, Hellenic Republic). N. B. KILBAY, S. B. KILBAY and E. A. KILBAY (In German with Russian summary) pp 397-400.
19. Topical Method of Translative Analysis of Sulfuric Acid Oil for the Purpose of Solubility. N. B. KILBAY and E. A. KILBAY (In French with Russian summary) pp 401-403.
20. On the Structure of the Structure of the Lungs of Animals Following Artificial Asphyxiation. G. G. KILBAY (In English with Russian summary) pp 405-408.
21. On the Determination of Sulfur Content of the Coal Oxydation. G. G. KILBAY (In French with Russian summary) pp 409-412.
22. Changes in the Electrical Conductivity of the Skin in Case is Pressure on the Limbs. V. KILBAY (In German with Russian summary) pp 413-416.
23. The Influence of Sulfuric Acid on the Oxygen of the Healthy and Diseased Human Skin. N. B. KILBAY and V. KILBAY (In French with Russian summary) pp 417-420.

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PENEV, Iv.; KHINKOVA, Tsv.

Floristic notes. Izv Inst bot BАН 7:367 '60.

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biol 57 no.1:67-74 '62-'63 [publ. '64].

KHINKOVSKI, Tseno

Studying the meat productivity of rams by their offspring.
Izv Zhivotn nauki 1 no.3:3-14 '64.

1. Institute of Animal Husbandry, Kostinbrod.

KHINKULOV, L., kand.filolog.nauk

Flaming heart of the Ukraine. Nauka i zhyttia 11 no.3:43-46
Mr '62. (MIRA 15:8)
(Shevchenko, Taras, 1814-1861)

KHINKULOVA, N.A.

BOGORODSKIY, A.F.; KHINKULOVA, N.A.

Distribution of electron density in the solar corona. Publ. Kiev.
astron. obser. no. 4:3-16 '50. (MIRA 7:9)
(Sun--Corona)

KHINKULOVA, N. A.

SANDAKOVA, Ye. V.; KHINKULOVA, N. A.

Determining positions and luminosity of asteroids from observations of Kiev Astronomical Observatory. Publ. Kiev. astron. obser. no. 4:103-117 '50. (MLRA 7:9)

(Planets, Minor)

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"Variation of Total Amount of Electrons of the Corona With the Phase of Solar Activity," Publikatsii Kievsk. astronom. observ., No 5, 1953, pp 143-154

The dependence of total brightness of the corona on the phase of solar activity is studied. Photoelectric observations obtained during five eclipses (1918-1945) are used for establishing the total brightness of the corona and for computing the total amount of electrons in the corona. The obtained values concur well with the mean yearly areas of prominences. (RZhAstr, No 4, 1955)

SO: Sum. No. 568, 6 Jul 55

KONOPIEVA, V.P.; DUKHNOVSKIY, P.O.; POLUPAN, P.N.; SANDAKOVA, Ye.V.; KHINKULOVA, N.A.

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Publ.Kiev.astron.obser. no.5:169-192 '53.

(MIRA 7:6)

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starshiy nauchnyy sotrudnik.

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Observatory of the Kiev State University. Astron.tsir. no.138:
2-3 My '53. (MLRA 7:1)

1. Astronomicheskaya Observatoriya Kiyevskogo Gosuniversiteta
im. T.G.Shevchenko. (Planeta, Minor)

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~~Centours of spectral lines formed by the moving atmospheres of~~
stars. Publ.Kiev.astron.obser,no.6:3-13 '54. (MLRA 9:4)
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KHINKULOVA, N.A.

Observations of minor planets and comets at the astronomical
observatory of Kiev State University in 1951. Publ.Kiev.astren.
observ.no.6:91-111 '54. (MLRA 9:4)
(Planets, Minor) (Comets)

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KONOPLEVA, V.P.; DUKHNOVSKIY, P.G.; SANDAKOVA, Ye.V.; ~~KHINKULOVA, N.A.~~

Observations of minor planets at the Astronomical Observatory
of Kiev State University. Publ. Kiev. astron. obser. no.7:
105-111 '56. (MLRA 9:12)

(Planets, Minor)

SHAPIRO, I.L.; KHINKUS, A.S., inzh., retsenzent; RASHKOVICH, M.P.,
inzh., retsenzent; MIKHAYLOV, O.P., kand. tekhn. nauk, red.

[Electric drive of large metal-cutting machines] Elektropri-
vod tiazhelykh metalloreshushchikh stankov. Moskva, Mashino-
stroenie, 1964. 221 p. (MIRA 17:9)

BEYLINA, G.B.; RASHKOVICH, M.P.; KHINKUS, A.S.

Units for heating and automatic temperature control used in processing
plastics. Biul. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn.
inform. 17 no. 10:20-22, 6 '64. (MIRA 18:4)

KHINKUS, Samson Solomonovich, kand. tekhn. nauk. dots.; KHARIF, Moisey
Izrailovich; ~~Elektrooborudovanie i avtomatika pod'emno-transportnykh mashin. Moskva, Transport, 1965. 377 p.~~

[Electrical equipment and automatic control of hoisting
and transporting machines] Elektrooborudovanie i avtoma-
tika pod'emno-transportnykh mashin. Moskva, Transport,
1965. 377 p. (MIRA 18:12)

KHINOV, Kh. M.

Forced feedback in the systems of automatic control. Godishnik
mash elekt 12 no. 2:19-28 '62 [publ. '63].

MOROZOV, D.P., prof. [deceased]; KHINOV, Kh.M., inzh.

High-speed control of speed drops in continuous hot rolling mills.
Elektrichestvo no.6:27-32 Ja '63. (MIRA 16:7)

1. Moskovskiy energeticheskiy institut.
(Rolling mills--Electric driving)

MOROZOV, D.P., prof.; KHINOV, Kh.M., inzh.

Electrical stage with semiconductor rectifiers. Vest.
elektroprom. 34 no.7:8-13 JI '63. (MIRA 16:8)

MINCHEV, Din'o St., k.t.n.inzh.; IORDANOV, Dimcho St., inzh.; KHINOV,
Khinko, M., k.t.n.inzh.

Automation of production, and technical progress. Nauch zhivot
6 no.2:11-13 Ap-Je'63.

KHINOV, K. M.

Combined self-tuning system for automatic control with advanced
information. Godishnik mash elekt 12 no.2:265-274 '63 [publ. '64]

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Work therapy and work capacity of patients and convalescents
in osteoarticular therapy. Khirurgia 15 no.2/3:310-312 '62.

1. Iz Sanatorium za vuzrastni, bolni ot kostno-stavna tuberku-
loza - Varna.

(TUBERCULOSIS OSTEOARTICULAR ther)
(OCCUPATIONAL THERAPY)

KRICHIKOV, P.F., gornyy inzh.; FEDOSEYEV, P.I., gornyy inzh.;
KHINN, G.L., gornyy inzh.; YARMIZIN, V.A., gornyy inzh.

Semiautomatic control of the mechanisms of hoisting
equipment shaft doors. Gor. zhur. no.7:51-54 J1 '61.
(MIRA 15:2)

1. Tyrnyauzskiy kombinat.
(Mine hoisting)
(Automatic control)

Khinov, G.

Forms of phosphorus compounds in the chernozem and forest steppe soils of northern Bulgaria. G. Khinov. *Pochvovedenie* 1956, No. 2, 42-66. Chem. data are given on 11 profiles recording the pH, CaCO_3 , org. matter, N, C:N, exchange capacity, exchangeable Ca, Mg, Na, and K, exchangeable acidity and Al, and forms of P, following the scheme of Davtyan (C.A. 36, 1131⁴), differentiating these forms. 26 references. L.S. Joffe

KHILIVSKI, Ts.

Tanev, I. Taking care of lambs. p. 28.

KOOPERATIVNO ZEMEDELIE, Sofiya, Vol. 11, no. 4, Apr. 1956.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956,
Uncl.

ACCESSION NR: AP4041344

S/0115/64/000/005/0025/0029

AUTHOR: Khinrikus, Kh. V.; Kubarev, A. V.

TITLE: Fundamental characteristics of quantum paramagnetic amplifiers

SOURCE: Izmeritel'naya tekhnika, no. 5, 1964, 25-29

TOPIC TAGS: amplifier, maser, quantum paramagnetic amplifier, resonator paramagnetic amplifier, traveling wave paramagnetic amplifier

ABSTRACT: These characteristics of the quantum paramagnetic amplifier — both resonator type and traveling-wave type — are regarded as fundamental: frequency band, gain, passband, input noise temperature, saturation power, gain instability, and unilateralization (internal feedback). The recovery time and amplifier loss are measurable special characteristics. A third group of characteristics, single-valuedly determined by some of the above characteristics, includes: paramagnetic gain, resonator-amplifier efficiency, sensitivity, and

Card: 1/2

Card: 2/2

KUBAREV, A.V.; LESKOV, A.S.; KHINRIKUS, Kh.V.; KALININ, Yu.A.

Some problems of metrology in the field of quantum radio physics.
Izm. tekhn. no.1:5-8 Ja '65.

(MIRA 18:4)

I 48817-66

ACCESSION NR: AP5008332

S/0115/65/060/001/0005/0008

AUTHOR: Kubarev, A. V.; Leskov, A. S.; Khinzikova, Kh. V.; Kalinin, Y. A.

Some metrological problems in quantum radiophysics

ISSN: Izmeritel'naya tekhnika, no. 1, 1965, 5-8

KEYWORDS: metrology, quantum radiophysics

ABSTRACT: A brief general review of the measurement problems occurring in quantum devices based on quantum-mechanics phenomena is presented. These problems are touched upon: precision radio spectroscopy with phase AFC, x-ray fluorescence, quantum paramagnetic amplifiers, measurement of the gain, power, and noise temperature, laser oscillators, and the use of quantum devices in developing standards and precision-measurement methods (standard meter, unit of magnetic-field strength, volt). Principles and approaches are discussed. Orig. art. has: no formula, no figure, and no table.

Card 1/2

MISSION NR: AP5008332

CLASSIFICATION: none

PERMITTED: 00

ENCL: 00

SUB CODE: GP

REF SOV: 003

OTHER: 003

2/2

L 51550-55

ENT(1)/ENT(s)/ENT(m)/ENT(1)/ENT(m)

AP5010759

UR/0181/65/007/004/1269/1270

AUTHOR: Vereshchagin, I. K.; Kirichuk, A. S.

Impact ionization in silicon carbide

Fizika tverdogo tela, v. 7, no. 4, 1965, 1270-1273

Impact ionization, silicon carbide, dark current, luminescence

The authors investigated the pre-breakdown characteristics of rectifying contacts

in a crystal having a dark current

inside the crystal

effect of the growth of the

L 51550-65

ACCESSION NR: AP5010759

the glow occurred at approximately the same voltage. The values of barrier voltage, the carrier multiplication coefficient, and of ionization coefficient of electron, and of ionization coefficient of hole, are given.

1. Introduction
2. Experimental results
3. Discussion
4. Conclusions

University of Georgia, Athens, Georgia 30602-3000
University of Georgia State Univer-

SUBMITTED: 29Jul64

ENCL: 00

SUB CODE: SS, OP

REF SOV: 004

OTHER: 004

TIMOMEYEVA, R.O.; KHINSKAYA, Ye.I.

Experience in the control of dysentery at a recently organized
state farm. Zdrav.Ros.Feder. 3 no.2:26-28 P '59. (MIRA 12:2)

1. Iz epidemiologicheskogo sektora Omskogo instituta epidemiologii,
mikrobiologii i gigiyeny.
(OMSK PROVINCE--DYSENTERY)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722020006-2

... of large construction ...
... for ...
... Supplement ...

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722020006-2"

Mechanical Properties of
Polyethylene
The mechanical properties of
polyethylene are highly dependent
on the crystallinity of the
material. The crystallinity of
polyethylene can be increased
by various methods, including
annealing and stretching.
The mechanical properties of
polyethylene are also affected
by the presence of impurities
and defects in the material.
The mechanical properties of
polyethylene are generally
improved by increasing the
crystallinity of the material.
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polyethylene are also affected
by the presence of impurities
and defects in the material.
The mechanical properties of
polyethylene are generally
improved by increasing the
crystallinity of the material.

ZAKS, I.A., inzhener; ZVEGINTSEV, S.K., inzhener; IL'INA, R.N., inzhener;
KHINSKIY, P.D., kandidat tekhnicheskikh nauk.

Brittle breaking of 1Kh1Z steel during soldering.
Energomashinostroenie no.9:15-19 '8 '56.

(MLRA 9:10)

(Solder and soldering) (Steel--Brittleness)

TSUKANOV, Vladimir Andreyevich, kand.tekhn.nauk; LOMONOSOV, V.T., obshchiy
red.; KHINSKIY, P.D., kand.tekhn.nauk, red.; VASIL'YEVA, V.P.,
red.izd-va; SOKOLOVA, L.V., tekhn.red.

[Using manganese in alloying structural steels] Legirovanie
konstruktsionnoi stali margantsem. Pod obshchei red. V.T.Lomo-
nosova. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry,
1959. 206 p. (Manganese steel) (MIRA 12:4)

26.2/20

28944

S/114/61/000/011/001/003
E199/P555

AUTHORS:

Petrov, P.N., Engineer, Rabinovich, V.P., Candidate of
Technical Sciences and Khinsky, P.D., Candidate of
Technical Sciences

TITLE:

The influence of non-metallic inclusions on the
strength of turbine discs

PERIODICAL:

Energomashinostroyeniye, no. 11, 1961, 27-30

TEXT:

Turbine discs and rotors are often scrapped because of
minor defects discovered by ultrasonic or other methods. It is by
no means certain that such rejection is always justified and the
present work was undertaken to study the properties of annular
plates cut from two forged steam turbine rotors which had been
rejected because ultrasonic examination of the forging had
revealed the presence of small internal defects. The two forgings
examined were of steel grade 34XH3MFA (34KH3MFA) each with a
principal diameter of 680 mm and weighing 4 tons. In one of these
rotors radial ultrasonic examination revealed four zones of
defects, the equivalent area of individual defects being up to
5-7 mm². All the defects were about 20 to 30 mm from the internal
Card 1/3

The influence of non-metallic

28944

28944/61/000/011/001/003

2109/1555

here, there were some tens of defects in each zone but most of them were of equivalent area 2.3 mm^2 . The second forging had three zones with defects, the equivalent area of individual defects being 3.15 mm^2 , all within 30 mm of the central bore. For test purposes plates were cut from both sound and faulty parts of the rotor, then stored for six months to remove hydrogen and restore plastic properties. All the plates were flat, 90 mm o.d., 90 mm i.d. and 50 mm thick with a thin and flexible extension on one side so that the plate was free to deform although firmly fixed to a shaft. The first tests were made on a sound plate which fractured at a speed of 22 050 r.p.m. It was evident from the fracture that plastic flow had occurred. All the other plates were then tested, giving speed-strain curves which were the same for sound and defective plates. In general at speeds up to 1500 r.p.m. there was no strain, but at 1800 r.p.m. the strain was 0.2 mm on the o.d. and 0.5 mm on the i.d. The mean strain at 20 000 r.p.m. was 0.75 mm on the o.d. and 1.05 mm on the i.d. Two of the defective plates were tested to failure and fractured at 21 750 and 22 000 r.p.m. respectively, which is virtually the same as for the sound plate. Specimens for tensile and impact

Card 2/5

The influence of non-metallic ...

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E194/F555

tests were cut from the failed plates and it was found that the samples from the central zone, where there had been considerable work-hardening, were the most severely modified. The accuracy of ultrasonic examination in revealing the defects was confirmed by direct observation. It is considered that the defects had little influence on the strength of the plates because of plastic flow of the metal. Fig. 6 plots strain in kg/mm^2 as a function of the square of the speed: curve 1 - maximum elastic stress; curve 2 - mean stress; curve 3 - actual maximum stress allowing for plasticity of material; curve 4 - elastic limit; curve 5 - ultimate strength. The curves plotted in this graph were calculated from strain-speed data, using a computer. It is important to notice the difference between the maximum failure stress calculated without allowing for the plastic flow of the material from the actual maximum stresses. The higher the speed the nearer the actual maximum stress approaches the mean value. The true stress concentration ratio is the ratio of the maximum to the mean stress and has a value of 2 at 12 000 r.p.m., of 1.46 at 15 000 r.p.m., of 1.05 at 20 000 r.p.m., and of 1.08 at 22 000 r.p.m. As stress concentrations are almost entirely relieved before failure occurs

Card 3/5

The influence of non-metallic ...

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E194/E555

it is reasonable to suppose that similar relief of local stresses takes place near to small defects in the forgings. It is considered that the influence of inclusions is practically proportional to the ratio of their area to the area of sound metal at the section in question. Thus, the present plates, which have a section of 31 600 mm², will not be greatly affected by defects provided their total area at the dangerous section does not exceed about 400 mm². Obviously, however, this recommendation requires further checking. It is concluded that ultrasonic examination reliably revealed individual defects of the order of 3-5 mm² equivalent area. Defects of area up to 15 mm² had no influence on the strain or strength of the plates and presumably rotors with similar defects made of chrome-nickel steel with a yield point of 75 kg/mm² can safely be accepted in service. In steels that can undergo plastic flow, like that tested, the influence of defects is proportional to the ratio of their area to that of sound metal at the affected section. Further study is required to determine what defects are permissible. In particular, tests should be made on plates with defects of 10 mm² area and more, and on discs of other materials or in other conditions, and so on. The following

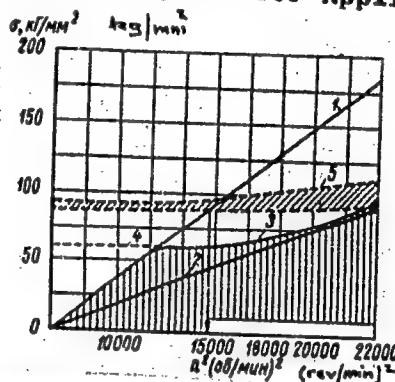
Card 4/5

The influence of non-metallic ...

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E194/E555

engineers participated in the work: T. A. Stepanova, Z.L.Zlatin, A.V. Shiryayeva and N. S. Mart'yanov. There are 6 figures and 7 references read as follows: Ref.1: E. L. Robinson: Trans.ASME, 1944, v.66, VII, No.5, pp.373-386; Ref.2: Fonda, L.B.: Trans.ASME, 1948, v.70, No.1, pp.1-12; Ref.3: Holmes, A.G., Jenkins, I.E. and Repko, A.I., NACA, Tech.Note, 1951, No.2397; Ref.4: Mega, S., Hagihara, S., Proc. of the Sixth Japan National Congress for Applied Mechanics", Tokyo, 1956-1957, pp.79-86.

Fig.6



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PETROV, P.N., inzh.; RABINOVICH, V.D., kand.tekhn.nauk; KHINSKIY, P.D.,
kand.tekhn.nauk

Effect of nonmetallic inclusions on the strength of turbine disks.
Energomashinostroenie 7 no.11:27-30 N '61. (MIRA 14:11)
(Disks, Rotating--Testing)

ZHUKOVA, Vera Nikolayevna, inzh.; KHINSKIY, Pavel Davidovich, kand.
tekh. nauk; ZHERMUNSKAYA, L.B., inzh., red.; VASIL'YEV,
Yu.A., red. 1zd-va; BELOGUROVA, I.A., tekhn. red.

[Relaxation resistance of pearlitic structural steel for
fasteners; practices of the Kirov Plant in Leningrad] Re-
laksatsionnaya stoikost' konstruksionnykh staley perlitnogo
klassa dlia krepzhnykh detalei; opyt Leningradskogo Kirov-
skogo zavoda. Leningrad, 1962. 29 p. (Leningradskii dom
nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom.
Seria: Metallovedenie i termicheskaya obrabotka, no.3)

(Steel, Structural--Testing) (Strains and stresses) (MIRA 15:9)

KHINT, E.K.

(Leningrad, K-156, pr. Engel'sa, d.28, kv.127)

Cancer of the utero cervical stump after supravaginal amputation for fibromyoma. Vop. onk. 9 no.7:111-117 '63

(MIRA 16:12)

1. Iz ginekologicheskogo otdeleniya (zav. - prof. V.P. Tobilevich)
Instituta onkologii AMN SSSR (dir. - deystvitel'nyy chlen
AMN SSSR prof. A.I. Serebrov).

KHINT, E.K. (Leningrad, K-156, Prospekt Engel'sa, 28, kv.127)

Cancer of the cervical stump following supravaginal amputation
of the uterus in fibromyoma. Vop. onk. 10 no.1:49-54 '64.

(MIRA 17:11)

1. Iz 3-go khirurgicheskogo otdeleniya (zav. - prof. V.P. Tobilevich) Instituta onkologii AN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.I. Serebryev).

KHINT, I. A.

KHINT, I. A. -- "DISINTEGRATIVE PROCESS OF MANUFACTURING SILICATE AND SILICALCITE ARTICLES." SUB 11 MAR 52, CENTRAL SCI RES. INST. OF INDUSTRIAL STRUCTURES (TSNIPS) (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

KHINT I.

BUTT, Yu.M.; KHAVKIN, L.M.; KRZHEMINSKIY, S.A.; LEVIN, S.N.

"Certain basic problems of manufacturing lime-sand products in autoclaves." I. Khint. Reviewed by Yu.M. Butt, and others. Zhur. prikl. khim. 28 no. 4:449-452 Apr '55. (MLRA 8:7)
(Autoclaves) (Building materials) (Khint, I.)

Technology of working with
Stainless Steel
Specialized materials for
the production of
the high pressure
equipment that
is used in the
chemical industry
for the production of
ammonia and other
chemicals.

15

14

SUBJECT: USSR/Technology of Materials.

23-3-6/8

AUTHOR: Hint, J. (Rus. equiv.-Khint, I.A.)

TITLE: Measurements of the Thermal Effect of Processes Proceeding during the Autoclave Formation of Lime-Sand Monoliths (Izmereniye termicheskogo effekta protsessov, proiskhodyashchikh pri avtoklavnom obrazovanii izvestkovo-peschanykh monolitov)

PERIODICAL: Izvestiya Akademii Nauk, Estonskoy SSR, Seriya Tekhnicheskikh i Fiziko-Matematicheskikh Nauk, 1957, #3, pp 267-282 (USSR)

ABSTRACT: Thus far physico-chemical processes of autoclave monolith formation composed of lime, sand and water mixtures have not been completely studied. The clarification of the thermal effect during the formation of these monoliths will contribute to the understanding of the essence of these processes proper. A series of direct measurements was carried out in 1953 by means of thermo-couples. Conclusions drawn are as follows:

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722020006

1. Measurements with thermo-couples and determinations of thermic effects by calculations, from weight changes in the autoclave, yield results of the same order;

2. The magnitude of the exothermic effect in all investigated samples amounted to 14 to 50 cal per gram of dry substance.

Card 1/3

23-3-6/8

TITLE: Measurements of the Thermal Effect of Processes Proceeding during the Autoclave Formation of Lime-Sand Monoliths (Izmereniye termicheskogo effekta protsessov, proiskhodyashchikh pri avtoklavnom obrazovanii izvestkovo-peschanykh monolitov)

The effect was not observed during the secondary steaming.

3. The exothermic effect, as well as the amount of soluble SiO_2 which is formed, is higher for lesser volumetric weights. The total exothermic effect rapidly rises during the period of steam pressure increase. The rise continues at slower rate during the period of holding and then, about 9 hours after the beginning of holding, an endothermic effect arises.

4. The increase of the lime amount in a sample (up to an optimum) increases its strength, but no essential change in the exothermic effect is observed. The amount of soluble SiO_2 increases.

5. Monoliths having lower volumetric weights show greater exothermic effect.

KHINT, I., kandidat tekhnicheskikh nauk.

Steam treated sand-line products. Gor.i sel'.stroil. no.4:9-10 Ap
'57. (Stone, Artificial) (MLBA 10:5)

SOV/23-58-4-1/13

AUTHOR: Khint, I.A., Candidate of Technical Sciences

TITLE: The Development of the Strength of a Lime-Sand Monolith During the Steaming Process (Obrazovaniye prochnosti izvestkovo-peschanogo monolita vo vremya zaparivaniya)

PERIODICAL: Izvestiya Akademii nauk Estonskoy SSR, 1958, Nr 4 pp 263-272 (USSR)

ABSTRACT: All tests carried out so far to ascertain the effect of steam pressure and duration of steaming on the strength of the products, referred to the pressure strength of samples subjected to a steaming process in an autoclave under various conditions. The pressure strength was determined outside of the autoclave. Therefore, no data was available on the pressure strength for the time while steam was being applied, on the curve of the rising strength under a constant steam pressure, or on the change of strength while the steam

Card 1/4

SOV/23-58-4-1/13

The Development of the Strength of a Lime-Sand Monolith During the Steaming Process

pressure was being reduced. In 1956, a special device was constructed permitting the measuring of the pressure strength of samples in the autoclave during the steaming process (Figures 1 and 2). The tests proved that it is possible to measure the pressure strength of the samples in the autoclave with the exactness of ordinary hydraulic presses. The measurement of the strength of samples of different CaO concentration, fineness and compactness proved that the strength of the product rises 15-fold while steam is being applied as compared with that of the raw material. The further rise in the strength of samples takes place comparatively uniformly (Figures 4 and 5). When reducing steam pressure, the pressure strength of the samples made of a mixture (mortar) of poor CaO concentration and fineness remains practically unchanged or drops only

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SOV/23-58-4-1/13

The Development of the Strength of a Lime-Sand Monolith During the Steaming Process

slightly. The tests have proved the correctness of the author's views on the formation of the structure of lime-sand products in an autoclave. There are 2 diagrams, 3 tables, 4 graphs and 22 references, 12 of which are Soviet, 9 German and 1 English.

ASSOCIATION: Institut stroitel'stva i stroitel'nykh materialov akademii nauk Estonskoy SSR (Institute for Construction and Building Materials of the Academy of Sciences of the Estonian SSR)

Card 3/4

SOV/23-58-4-1/13

The Development of the Strength of a Lime-Sand Monolith During the Steaming Process

SUBMITTED: July 9, 1958

NOTE: Russian transliteration of names, titles and associations are used throughout this abstract.

Card 4/4

KHINT, I., kand. tekhn. nauk

~~Method for determining the most efficient processing qualities of~~
lime sand mixes. Stroi. mat. 4 no. 7:11-13 J1 '58. (MIRA 11:7)
(Building materials--Testing)

BEZOBRADOV, B., inzh.; KHINT, I., kand. tekhn. nauk.

Using bitumen in impregnating building materials made of lime sand
mixes. Stroi. mat. 4 no.12:17-20 D '58. (MIRA 11:12)
(Bitumen) (Building materials--Testing)

KHINT, I. A.

Doc Tech Sci - (diss) "Foundations of the production of lime-sand articles." Leningrad, 1961. 33 pp; with illustrations; (Ministry of Higher and Secondary Specialist Education RSFSR, Leningrad Order of Labor Red Banner Construction Engineering Inst); 250 copies; price not given; list of author's works on pp 31-33 (41 entries); (KL, 7-61 sup, 231)

BUDNIKOV, P.P.; ALEKPEROV, M.S.; BAKLANOV, G.M.; BOLDYREV, A.S.;
BOS'KO, K.D.; VOLZHENSKIY, A.V.; GROKHOTOV, N.V.; ZHUKOV, A.V.;
ZABAR, L.B.; KITAYEV, Ye.N.; KOSHKIN, V.G.; KRUPIN, A.A.;
MURCMSKIY, P.G.; POPOV, A.N.; SUKHOTSKIY, S.F.; USPENSKIY, V.V.;
KHINT, I.A.; SHVAGIREV, M.P.; YUSHKEVICH, M.O.

Conference on increasing the durability of corrugated roofing
sheets. Stroimaterialy, no. 8, p. 3 of cover Ja '62. (MIRA 15:5)
(Roofing)

KHINT, I.A. [Hint, I.], doktor tekhn. nauk (Tallin)

There is no single solution. Stroi. mat. 9 no.5:17 My '63.
(MIRA 16:7)

(Lime industry)

KHINT, Yokhannes Alekaandrovich [Hint, Johannes]

Time polishes the innovation. Izobr.i rats. no.3:12-13 Mr '62.
(MIRA 15:2)

1. Direktor nauchno-issledovatel'skogo i proyektnogo instituta
silikal'tsita.

(Estonia--Building materials)

KHINTIBIDZE, L.

New species of the genus *Onobrychis* Adans. from the Central
Caucasus. *Zam.p. sist.i geog.rast. no.17:142-144 '53.*
(Caucasus--Peas) (MIRA 8:9)

KHINTIBIDZE, L. S.

KHINTIBIDZE, L. S.= "The Caucasian representatives of the genus *Ombrychis* Adans, section *Eubrychis* DC." Published by the Acad Sci Georgian SSR. Acad Sci Georgian SSR. Inst of Botany. Tbilisi, 1956. (Dissertations for the Degree of Candidate in Biological Sciences).

SO: Knizhnays Letopis' No. 22, 1956

KHINTIBIDZE, L.S.

What is Onobrychis Biebersteinii Sirjaev? Zam po sist. i geog.
rast. no. 20:34-40 '58. (MIRA 12:9)
(Onobrychis)

SAKHOKIA, M.F.; KHINTIBIDZE, L.S.

A new species of the genus Hedysarum L. from the Northern Caucasus.
Zam. po sist. 1 geog. rast. no.23:123-126 '63.

(MIRA 17:12)

KHINTIBIDZE, Leonida Semenovna

[Caucasian representatives of the genus *Onobrychis* Adans. section
Eubrychis DC] Kavkazskie predstaviteli roda *Onobrychis* Adans.
seksii *Eubrychis* DC. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR,
1960. 116 p. (Tiflis. Botanicheskii institut. Monografii. Ser.A.
Sistematika i geografiia rastenii, no.3) (MIRA 14:11)
(*Onobrychis*)

KHINTS, A.A.
SAMSONOV, G.V.; KHINTS, A.A.; SALAMATINA, V.P.

Complete demineralization of streptomycin based on a molecular
sieve method. Antibiotiki 3 no.6:27-29 N-D '58. (MIRA 12:2)

1. Institut vysokomolekulyarnykh soyedineniya AN SSSR, Leningrad.
(STREPTOMYCIN,
demineralisation, molecular sieve method (Rus))

IVCHENKO, Sergey Ivanovich; kand.sel'skokhoz.nauk; KHINTSKARIYA, Ye.N.,
red.; SMIRNOVA, M.I., tekhn.red.

[The school arboretum] Shkol'nyi dendrarii. Moskva, Gos.uchebno-
pedagog.izd-vo M-va prosv.RSFSR, 1960. 235 p.

(MIRA 13:12)

(School gardens)

KHINUKAYEV, A.N.

BELYAYEV, A.F.

AUTHOR: Solomonov, M.

SOV/24-58-5-30/31

TITLE: Scientific-Method Conference on the Problem of Breaking-up Rocks by Explosions (Pervoye nauchno-metodicheskoye soveshchaniye po probleme drobleniya gornykh porod vzyvom)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 5, pp 143-144 (USSR)

ABSTRACT: On February 24-26, 1958 a conference was held on breaking-up rocks by explosions at the Institute of Mining, Ac.Sc., USSR (Institut Gornogo Dela AN SSSR). 100 people from 32 towns participated and the participants included representatives of Works, Research Institutes of the Ac.Sc. from various parts of the Soviet Union, departmental research institutes and of higher teaching establishments.

Chemical Physics, Ac.Sc. USSR (Institut khimicheskoy fiziki AN SSSR);
 "On experimental methods of studying the breaking-up of solid bodies" by L. K. Belokurov, Institute of Chemical Physics, Ac.Sc., USSR;
 "On controlling the energy of elastic waves in rocks possessing a high acoustic rigidity and ensuring yield of fragments of a pre-determined size" by A. I. Khinukayev, Leningrad Mining Institute (Leningradskiy gornyy institut);
 "On the technique of studying the character of breaking-up of firm rocks by means of charges of increased length" by V. I. Filippov, Institute of Mining, Ac.Sc. Kazakhstan SSR;
 "On investigating the fields of the potential and the process of breaking-up of rocks by explosions in the case of instantaneous and briefly delayed charges in the terraces of open-cast mining" by P. A. Belyayev, Dnepropetrovsk Mining Institute.
 In the section relating to evaluation of the crushing properties of explosives and the breaking-up of rocks the

Card 2/3

KHION, Ya. V.

Archimedean order of rings. Usp.mat.nauk 9 no.4:237-242 '54.
(Groups, Theory of) (MIRA 8:1)

KNION, Ya. V.

KNION, Ya. V.--"Rings Normalized with the Aid of Polygroups." Moscow Order of Lenin and Order of Labor Red Banner State U ineni M.V. Lomonosov. Moscow, 1955. (Dissertation for the Degree of Candidate of Physicomathematical Sciences).

SO: Knizhnaya Letopis' No. 27, 2 July 1955